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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/784,600

02/23/2004

William A. Pugh

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EXAMINER

KIMBALL, MAKAYLA T

ART UNIT

PAPER NUMBER

2194

DATE MAILED: 09/14/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.

10/784,600

Applicant(s)

PUGH ET AL.

Examiner

Makayla Kimball

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 23 February 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-3 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-3 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 2/23/04 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date <u>7/26 7/31 3/13/06</u> | 6) <input type="checkbox"/> Other: _____  |

### **DETAILED ACTION**

1. Claims 1-3 are pending and are considered below.

#### ***Claim Objections***

2. Claim 3 is objected to under 37 CFR 1.75(c), as being of improper dependent form for failing to further limit the subject matter of a previous claim. Applicant is required to cancel the claim(s), or amend the claim(s) to place the claim(s) in proper dependent form, or rewrite the claim(s) in independent form. Claim 3 fails to further limit independent claim 1 because claim 1 already claims to have a method to debug in more than one programming language.

#### ***Specification***

3. The abstract of the disclosure is objected to because it is more than one paragraph. Second paragraph has no technical disclosure and should be removed. The paragraph numbers need to be deleted. Correction is required. See MPEP § 608.01(b).
4. The disclosure is objected to because of the following informalities: In specification applicant fails to spell out all acronyms (i.e. Xscript, XML, JSR 45, etc.).

Appropriate correction is required.

#### ***Claim Rejections - 35 USC § 102***

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States

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only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

6. Claims 1-3 are rejected under 35 U.S.C. 102(e) as being anticipated by Bogle et al (US Patent 6, 353, 923).

Claim 1:

A method for debugging in more than one programming language [Column 4, lines 10-13 "The method for debugging a multiple language application"], comprising:

Providing an interface with a debugging frame for each language [Column 8, lines 1-3 "having multiple interfaces"]; and

Allowing a user to edit each language in a debugging frame [Column 11, lines 47-49 "object codes associated with an appropriate language engine"].

Claim 2:

A method according to claim 1, further comprising:

Providing the capability to interpret multiple languages within a single source file [Column 12, lines 53-57] and allow each of the multiple languages to be displayed in a debugging frame [Column 12, lines 30-33].

Claim 3:

A method according to claim 1, further comprising:

Providing the ability to support additional languages [Column 4, lines 10-13 "The method for debugging a multiple language application"].

**Conclusion**

7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

"Investigating Multilanguage Debugging and the New IDEs of Visual Studio 97" – discloses Multilanguage debugging.

"Getting to Know gdb" – discloses debugger with more than one language.

"Generalized Path Expressions: A High Level Debugging Mechanism" – discloses a Multilanguage debugger.

"Multilingual Debugging Using a Compiler" – discloses a Multilanguage debugger.

Carter (US Patent 5,845,121) – discloses a Multilanguage debugger.

"VAX DEBUG: An Interactive, Symbolic, Multilingual Debugger" – discloses a Multilanguage debugger.

Bickson et al (US PGPUB 2006/0064677) – discloses debugging programs in multiple programming languages.

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Makayla Kimball whose telephone number is 571-270-1057. The examiner can normally be reached on Monday - Thursday 10AM - 3PM EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James Myhre can be reached on 571-270-1065. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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09/05/2006



James W. Myhre  
Supervisory Patent Examiner